

Title (en)  
CATALYST, CATALYST PRODUCT AND CATALYST PRODUCTION METHOD

Title (de)  
KATALYSATOR, KATALYSATORPRODUKT UND VERFAHREN ZUR HERSTELLUNG EINES KATALYSATORS

Title (fr)  
CATALYSEUR, PRODUIT CATALYTIQUE ET PROCÉDÉ D'UN CATALYSEUR

Publication  
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Application  
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Abstract (en)  
For NOx-purification of an SCR exhaust gas post-treatment system, no SCR catalyst existed which has a low temperature activity at an exhaust gas temperature of 200 °C to 350 °C and a high temperature activity at an exhaust gas temperature of 350 °C to 500 °C, wherein both of the activities are high in a balanced manner. The present invention provides an SCR catalyst which has a low temperature activity at an exhaust gas temperature of 200 °C to 350 °C and a high temperature activity at an exhaust gas temperature of 350 °C to 500 °C, wherein both of the activities are high in a balanced manner, wherein the SCR catalyst further enables the high activities to be maintained even after aging with hot water. The SCR catalyst contains a phosphorus oxide of about 15 to about 35% by mass, wherein a molar proportion of silica to alumina is from about 1.9 to about 5.2, and wherein the catalyst further includes a copper-introduced zeolite with an atomic proportion of copper to aluminum of about 0.05 to about 0.1.

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